

Meeting: 1003, Atlanta, Georgia, SS 12A, AMS-SIAM Special Session on Stochastic, Large-Scale, and Hybrid Systems, I

1003-60-1324 **A. Korzeniowski*** (korzeniowski@uta.edu), Box 19408, 411 S. Nedderman, Arlington, TX 76019-0408. *On dynamics of correlated random systems*. Preliminary report.

Abstract. We study a connection between certain stochastic and deterministic systems in the context of Markovian dynamics. Limiting behavior and systems stability are investigated. Several applications, including the evolution of correlated random graphs, will be presented. (Received October 04, 2004)